From: "Colacurcio, Joe" < Joe. Colacurcio@nielsen.com>. Sent:5/4/2009 1:40 PM. <Gary Heine@Toyota.com>;<mike\_robinson@toyota.com>. To:[-] Cc: [ - ] <craig erickson@toyota.com> Bcc: [ - ] Subject: Nielsen - QA Powertrain, Hybrid Powertrain Hot Topics Updates.

Hello Gary and Mike -

Please review the list below regarding Toyota QA Powertrain "hot topics" which we continue to use in development of the bi-weekly Toyota PQSS Executive Summary and are placing increased emphasis on for daily BuzzAlerts. Please confirm any changes or additions as we begin reporting for May.

Finally, it has come to my attention based on a previous conversation with Jeff Northrup that QA Hybrid Powertrain is now one and the same as general QA Powertrain. I've included the most recent QA Hybrid Hot Topics on this email as well. Will the two of you be approving this list or should I continue to contact Bob Nagai as I have in past months?

## QA Powertrain Hot Topics

- 2007-2009 Engine Oil Leaks
- § § All engine noise on 2007 – 2009 Models (including cold engine knocking type noise for all 2007 and 2008 models)
- 2007-2009 ES 350 and Camry V6 ATM shift concerns
- 2007-2009 Tundra, 2008 Sequoia ATM concerns
- 2007-2009 Tundra shuddering on the highway at speed
- 2009 Corolla/Matrix powertrain concerns
- All Lexus IS250/IS350, ES350, GS350, RX350 GR-series engine concerns
- *\$\$\$\$\$\$\$\$\$\$* 2007-2009 Models: all extended engine cranking prior to stalling
- 2010 model year vehicles Camry, Corolla, Matrix, RX 350, RX 450h, Prius etc.
- All cold-weather related issues

## QA Hybrid Powertrain Hot Topics

- Driveline Vibration and Axle related issues
- HV (High Voltage) or Hybrid battery
- Engine or Transaxle noise
- Transmission concerns
- Prius refueling difficulty/problems (wont take gas/pump clicks off)
- Fuel gauge
- Inverters converter
- Unintended Acceleration sudden acceleration
- No Start
- Loss of Power
- Misfire
- **Engine Running Rough**
- Warning lights coming on ("Christmas Tree" references)/Check Engine Light On
- RX 400h and Highlander Hybrid Engine Oil Leaks
- Plug-In Hybrid topics (as they relate to any potential aftermarket conversions or kits potentially sold or installed by Toyotadealerships)
- § § **Fuel Leaks**
- Coolant Leaks

Thanks in advance.

Joe Colacurcio

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